



**Arizona Department
of Water Resources**

Cochise County Local Area Impact Assessment Group

*Working together to ensure a long-term, sufficient and secure water
supply for the State*

January 31, 2006

Background Information

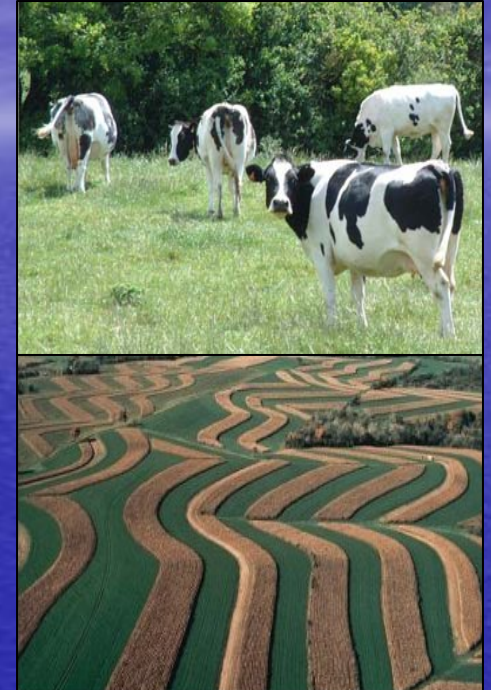
- Governor's Drought Task Force (March 2003)
 - Address drought issues
- *Arizona Drought Preparedness Plan*
 - Three sections to Plan
 - Background & Impact Assessment Section
 - Operational Drought Plan
 - Statewide Water Conservation Strategy
- Principal intent of Plan:
 - Refine monitoring processes
 - Understanding of drought impacts
 - Limit future vulnerability
- Goals:
 - Identify impacts to water use sectors
 - Define sources of drought vulnerability & outline monitoring programs
 - Prepare drought response options & mitigation strategies



Economic and environmental impacts of drought continue to increase as the population of the state increases

Local Area Impact Assessment Groups

- Identify local drought-related impacts
- Define and assess
 - societal impacts
 - severity
 - loss and costs associated
- Identify response options
- Identify unmet needs or needs for response
- Identify and facilitate efforts to mitigate impacts
 - preparedness and reducing drought vulnerabilities
- Provide data to Monitoring Technical Committee

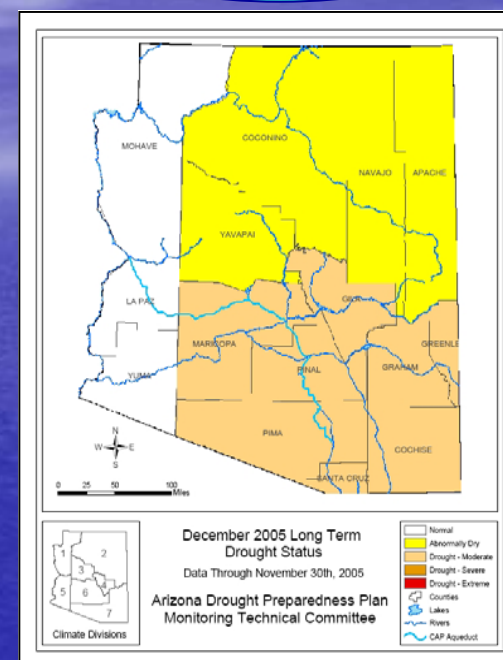


Important Goal – Encourage regional coordination to drought and conservation planning

Monitoring Technical Committee

Primary committee of the
Drought Preparedness Plan

- Tracks changes in climate and physical conditions
- Forecasts of likely future conditions
- Critical in early warning and detection
- Facilitate preparedness
- Meets monthly
- Determines drought status as data warrants
- Committee participants
 - Natural Resources Conservation Service
 - U.S. Geological Survey
 - Climate Assessment for the Southwest (UA)
 - State Climate Office (ASU)
 - National Weather Service (NOAA)
 - Division of Emergency Management
 - Salt River Project
 - Bureau of Reclamation



On-going technical data gathering and information dissemination group

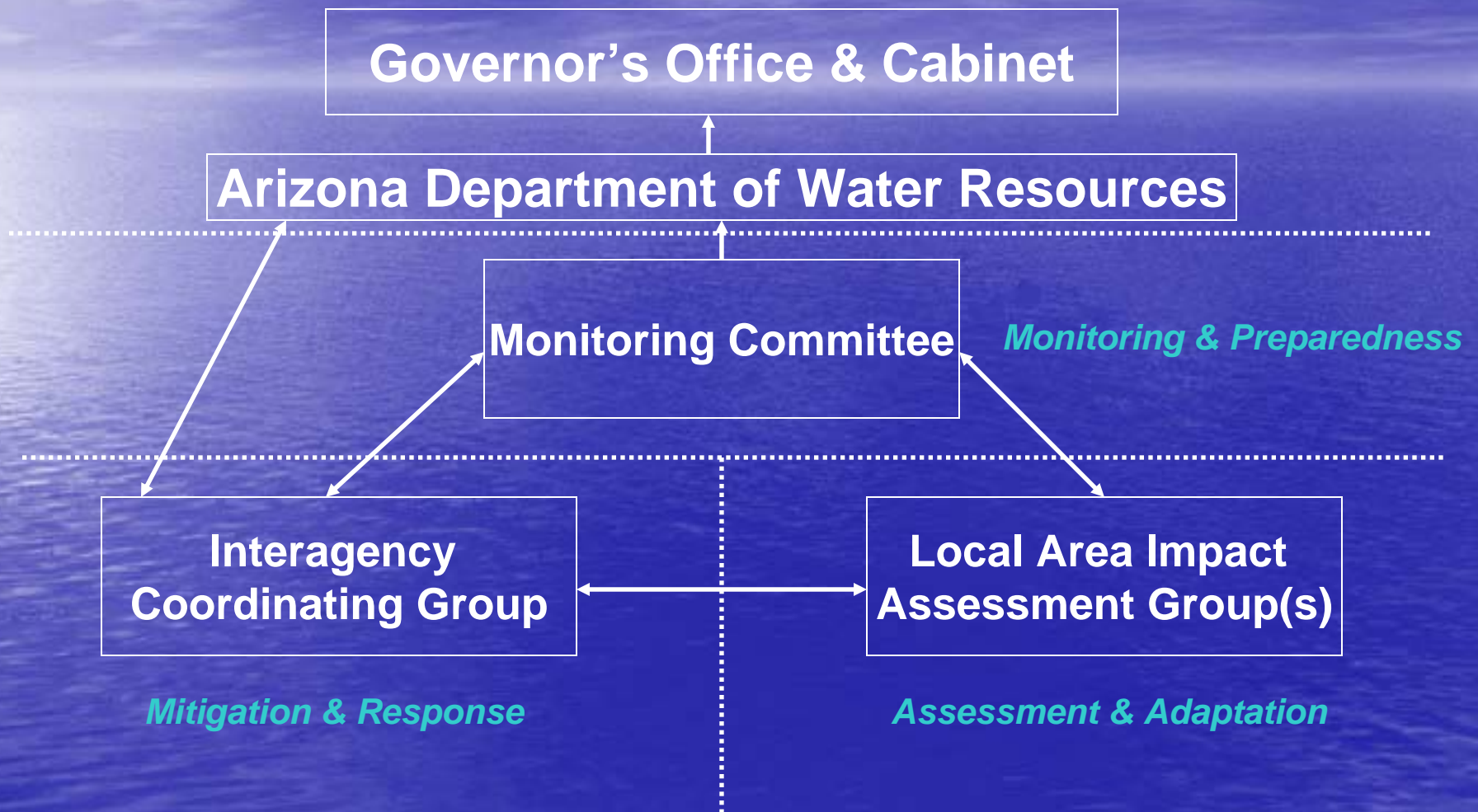
Interagency Coordinating Group

- Provides policy guidance for the *Arizona Drought Preparedness Plan*
- Advise Governor of changes in drought status
- Reviews Plan, based on info. from MTC & LAIAGs
 - Recommendations for:
 - Improving monitoring
 - Implementation
 - Response
- Identify needs for additional resources



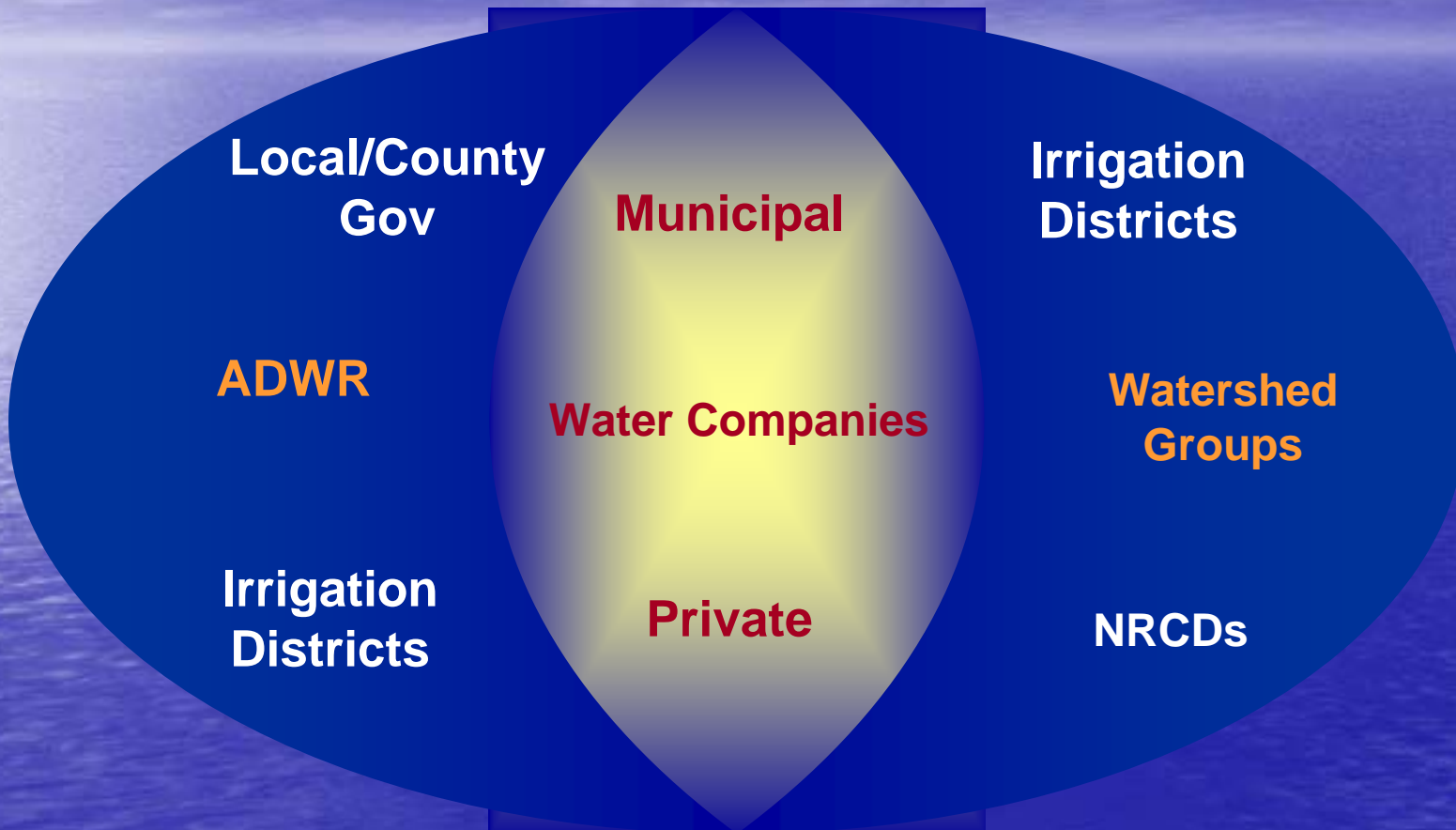
Provides an integral mechanism to coordinate and integrate drought planning and management on all lands within Arizona

Organization



ADWR serves as the facilitator of the MTC and ICG, provides staff support and web services, assists with report development and public outreach

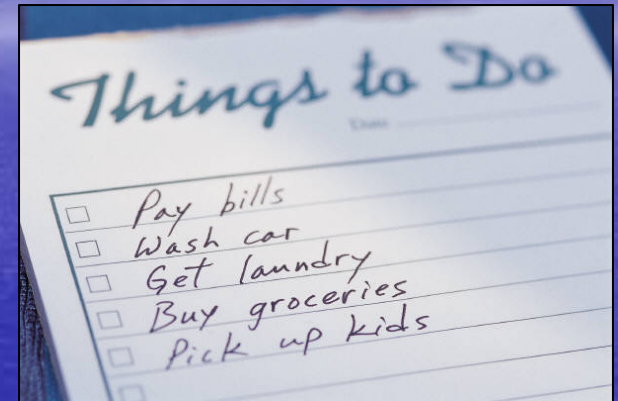
LAIAGs - Collaboration



***Local Coordinators – County Extension Agent
& County Emergency Manager***

Group Objectives

- 1. Identify local drought-related impacts
 - Complete worksheet (example)
- 2. Define and assess societal impacts, loss and costs associated with impacts
 - Compile information
- 3. Identify response options
 - Develop Response Plan
- 4. Identify unmet needs or needs for response
 - Develop Response Plan
- 5. Identify and facilitate efforts to mitigate impacts focusing on preparedness and reducing drought vulnerabilities
 - Develop Response Plan
- 6. Provide data to Monitoring Technical Committee
 - Designate contacts



Identify Local Drought-related Impacts

Objective #1

Example Worksheet Contents:

- Storage (% of capacity)
 - Stock pond
 - Earthen tanks
- Groundwater
 - Wells drilled deeper
 - New wells needed
- Rangeland impacts
- Rangeland impacts
- Spring production
- Soil moisture
- Farm & ranch changes
 - % livestock #s reduced
 - Crop changes
 - Crop acreage adjusted



For use in determining local drought conditions – the monitoring technical committee uses this information, along with scientific data, to determine drought stages in each climate division

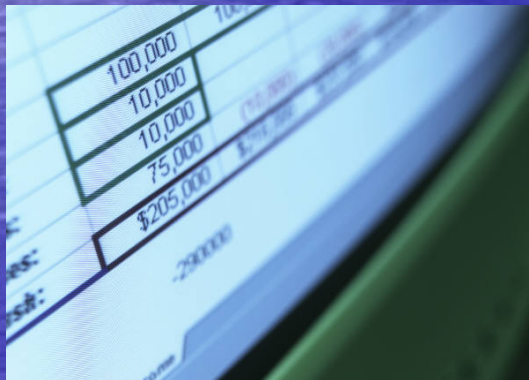
Define & Assess: Societal Impacts, Loss & Costs

Objective #2

- Compile information



- Input into database or spreadsheet



Help the community, local and state government define societal and economical impacts of drought – better planning and response

Develop Response Plan

Objective #s
3,4 & 5

- Identify response options
 - Action items for each stage of drought
- Identify unmet needs or needs for response
 - Legislation
 - Funding
- Identify and facilitate efforts to mitigate impacts focusing on preparedness and reducing drought vulnerabilities
 - Action items for preparing & reducing vulnerabilities (conservation)
 - Drought Preparedness Plan (HB 2277)
 - Water Conservation Plan (HB 2277)

A plan containing mitigation strategies for each drought stage to reduce the impact of drought to water users.

Provide data to Monitoring Technical Committee

- Designate contacts
 - For submitting information
 - Interface continually w/ MTC
- Other
 - Lead contacts for informing group when drought conditions warrant

